International application No.

	<u> </u>		PCT/NZ2004/000316		
A.	CLASSIFICATION OF SUBJECT MATTER	•			
Int Cl.":	A01M 23/00		•		
According to	International Patent Classification (IPC) or to	both national classification and IPC			
B _i	FIELDS SEARCHED		,		
Minimum docu	unentation searched (classification system followed	by classification symbols)			
Dogumentation	accombad A A A A A A A A A A A A A A A A A A A				
Documentation	searched other than minimum documentation to the	extent that such documents are included	in the fields searched		
Electronic data DWPI, US, I	base consulted during the international search (name EP and JP databases with keywords (eg Al	e of data base and, where practicable, sear 11M 23/ic, resilient, ring)	ch terms used)		
C.	DOCUMENTS CONSIDERED TO BE RELEVAN	Т			
Category*	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.		
	Patent Abstracts of Japan, JP 2001-3336	83 (MORIBE IKUO) 4 December	2001		
X	Abstract		1-27		
		•			
US 5177896 A (MIYASAKI) 12 January 1993 X Entire document					
			1-27		
	US 2247066 A (POPP) 24 June 1941				
X	Entire document	•	1-27		
	Patent Abstracts of Japan, JP 2003-07040	ያ (MTIP ልሂ ልነለተ ነጠንድ ልሂነን ፣ ፣ ፣ ፣	Toward 2002		
х	Abstract	· (MOIGRAM INDIAM) II W	1-27		
			·		
T _r	-the dominate of the distance of		16 7		
	orther documents are listed in the continuat	ion of Box C X See pater	it family annex		
"A" document	ategories of cited documents: defining the general state of the art which is "T"	later document published after the internation	al filing date or priority date and not in		
	lered to be of particular relevance	contlict with the application but cited to unde underlying the invention	retund the principle or theory		
"E" carlier app internation	earlier application or patent but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered nove or cannot be considered to involve an inventive step when the document is taken				
"L" document which may throw doubts on priority claim(s) "Y" alone document of particular relevance; the claimed invention cannot be considered to					
another ci	another citation or other special reason (as specified) such desuments such combination being obvious to a new or other special reason (as specified)				
ा ठामेन प	or other means "&" document member of the same patent family				
"P" document but later 0	published prior to the international filing date sun the priority date claimed				
	completion of the international search	Date of mailing of the international s	earch report		
l 1 April 2005	g address of the ISA/AU		PR 2005		
	PATENT OFFICE	Authorized officer			
PO BOX 200, W	ODEN ACT 2606, AUSTRALIA	A SEN			
z-mail address: p Facsimile No. (0	ct@ipaustralia.gov.au 2) 6285 3929	A SEN Telephone No : (02) 6283 2159			
Telephone No. (02) 6283 3929 Telephone No : (02) 6283 2158					

Form PCT/ISA/210 (second sheet) (January 2004)

International application No. PCT/NZ2004/000316

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such
an extent that no meaningful international search can be carried out, specifically:
·
3 Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. M Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
Please refer to the Supplemental Box
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-27
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

International application No. PCT/NZ2004/000316

Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-27 are directed to an extermination device and a method of using the device, wherein the device comprises of a holder and trigger mechanism, the holder being configured to hold an expanded resilient ring.
- 2. Claims 28-30 are directed to a loading device and a method of using the device, wherein the device has a tapering body and a formation at the wide end adapted to engage with the holder of an extermination device.

Since the abovementioned groups of claims do not share any of the technical features identified, a 'technical relationship' between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

Information on patent family members

International application No.
PCT/NZ2004/000316

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in			Patent Family Member				
1 012	Search Report	•			1		
JР	2001-333683	NIL			<u>.</u>		
US	5177896	CA	2086774		·		
US	2247066	NIL					
JP	2003-070408	NIL					

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 220943-142	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
	International filing date (day/month/ye	(Earliest) Priority Date (day/month/year)
International application No. PCT/NZ2004/000316	6 December 2004	4 December 2003
Applicant		
MCCORMICK, David James	Calder et al	·
Article 18. A copy is being transmitted to the	e International Bureau.	thority and is transmitted to the applicant according to
This international search report consists of a		
It is also accompanied by a cop	y of each prior art document cited in this	s report.
). Basis of the report		
it was filed, unless otherwise indicate	d under this item.	easis of the international application in the language in which
Authority (Rule 23.1)	Ъ)) .	slation of the international application furnished to this
b. With regard to any nucleotide	and/or amino acid sequence disclosed i	in the international application, see Box No. 1.
2. Certain claims were found un	searchable (See Box No. II).	·
3. X Unity of invention is lacking ((See Box No. III).	
4. With regard to the title,		
X the text is approved as submitte	ed by the applicant.	
the text has been established by	y this Authority to read as follows:	
	•	
5. With regard to the abstract,		
the text is approved as submitt	ed by the applicant.	
the text has been established.		rity as it appears in Box No. IV. The applicant may, within submit comments to this Authority.
6. With regard to the drawings,		•
a. the figures of the drawings to be pu	blished with the abstract are Figure Nos.	10, 19
as suggested by the a	applicant.	
\	uthority, because the applicant failed to s	
X as selected by this A	uthority, because this figure better charac	cterizes the invention.
b. none of the figures is to be pu	blished with the abstract.	

International application No. PCT/NZ2004/000316

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
Please refer to the Supplemental Box
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-27
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

International application No. PCT/NZ2004/000316

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: 111

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- Claims 1-27 are directed to an extermination device and a method of using the device, wherein the device comprises of a holder and trigger mechanism, the holder being configured to hold an expanded resilient ring.
- Claims 28-30 are directed to a loading device and a method of using the device, wherein the device has a tapering body and a formation at the wide end adapted to engage with the holder of an extermination device.

Since the abovementioned groups of claims do not share any of the technical features identified, a 'technical relationship' between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

International application No. PCT/NZ2004/000316

Box No. IV Text of the Abstract (Continuation of item 5 of the first sheet)

First Invention

An extermination device for exterminating pests including a holder, trigger mechanism (6) and a resilient ring (8) mounted on the holder. When a pest actuates the trigger mechanism (6), the ring (8) is released from the holder onto the pest, thereby killing the pest in a humane manner. A cover may be provided to protect the trigger mechanism (6) from dirt and animals larger than target pest size.

Second Invention

A loading device (50) having a tapering body adapted to allow a resilient ring (8) to be expanded from the narrow end to the wide end of the tapering body, wherein the wide end includes a formation (51, 52) adapted to engage with a holder of an extermination device.

International application No.
PCT/NZ2004/000316

A.	CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. 7:	A01M 23/00	·	
ſ	International Patent Classification (IPC) or to bo	th national classification and IPC	· · · · · · · · · · · · · · · · · · ·
В.	FIELDS SEARCHED		
Minimum docu	mentation searched (classification system followed by	classification symbols)	
Documentation	searched other than minimum documentation to the ex	xtent that such documents are included in the fields search	hed
Electronic data DWPI, US, 1	base consulted during the international search (name of EP and JP databases with keywords (eg A01)	of data base and, where practicable, search terms used) M 23/ic, resilient, ring)	
C.	DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
х	Patent Abstracts of Japan, JP 2001-333683 Abstract	(MORIBE IKUO) 4 December 2001	1-27
х	US 5177896 A (MIYASAKI) 12 January 1 Entire document	993	I-27
x	US 2247066 A (POPP) 24 June 1941 Entire document		1-27
x	Patent Abstracts of Japan, JP 2003-070408 Abstract	(MURAKAMI HIDEAKI) 11 March 2003	1-27
·	urther documents are listed in the continuation	n of Box C X See patent family annex	K
"A" document	defining the general state of the art which is "T" la cred to be of particular relevance co	ater document published after the international filing date or prio onflict with the application but cited to understand the principle	ority date and not in or theory
"E" earlier application or patent but published on or after the international filing date "X" underlying the invention document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is take			
or which is another cit	which may throw doubts on priority claim(s) "Y" do	one Cument of particular relevance; the claimed invention cannot by volve an inventive step when the document is combined with or ich documents, such combination being obvious to a person skil	considered to
or other m		ocument member of the same patent family	
	completion of the international search	Date of mailing of the international search report 4 APR 2005	
	g address of the ISA/AU	Authorized officer	
PO BOX 200, W	ATENT OFFICE ODEN ACT 2606, AUSTRALIA ct@ipaustralia.gov.au 2) 6285 3929	A SEN Telephone No : (02) 6283 2158	
			

Information on patent family members

International application No.

PCT/NZ2004/000316

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report			Patent Family Member		
ЛР	2001-333683	NIL				
US	5177896	CA	2086774			
US	2247066	NIL			• •	
JР	2003-070408	NIL				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

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